EIZO®

Diagnostic Monitors

RadiForce® G&R-Series

Future Focused

Future Focused

EIZO's complete spectrum of RadiForce medical monitor solutions delivers exceptionally accurate and stable image display at leading hospitals around the world.

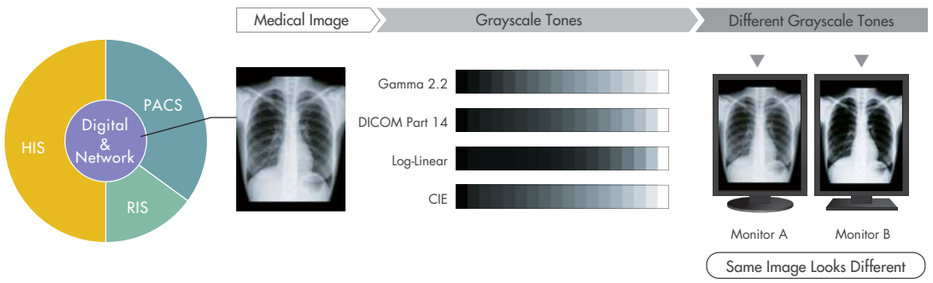
Our commitment to technological innovation includes making products that are as ergonomically, environmentally, and economically-friendly as possible.

With the shift to completely filmless systems for improved efficiencies in patient care, EIZO will continue to provide products of unsurpassed quality, consistency, and value that are truly future focused.

Selecting the Optimum Monitors for Hospitals

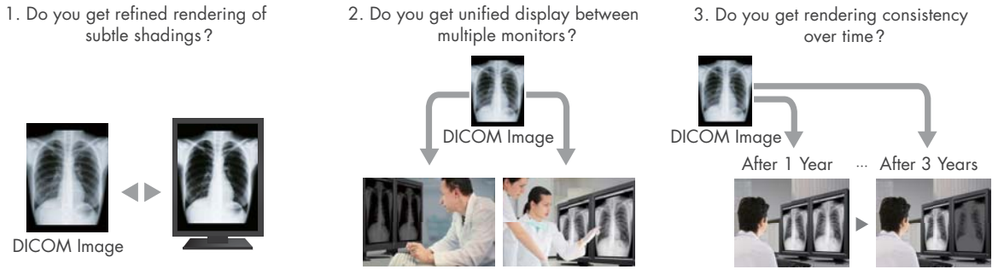
Display Differs Depending Upon Grayscale Tones

In a filmless environment, digitized medical images are displayed anywhere within networked hospitals. Monitors have grayscale tone characteristics which may vary even between the same models. A unified standard is required to display images properly and consistently, and Digital Imaging and Communications in Medicine (DICOM) Part 14 is used as a standard to adjust the grayscale tone characteristics of monitors used in the medical field.



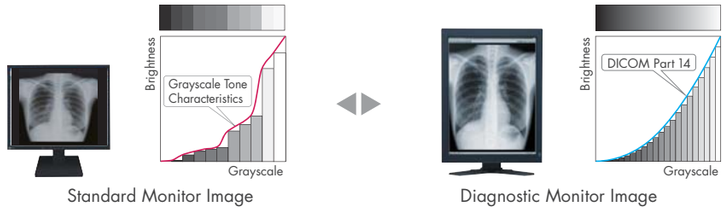
Quality Required for Monitor to Display Medical Images

When DICOM Part 14 medical images are displayed on standard monitors, they may not offer refined rendering of subtle shadings, unified display between multiple monitors, or rendering consistency over time.


1. Do you get refined rendering of subtle shadings?
2. Do you get unified display between multiple monitors?
3. Do you get rendering consistency over time?
DICOM Image
DICOM Image
DICOM Image
After 1 Year
After 3 Years

RadiForce Diagnostic Monitors are Compliant with DICOM Part 14

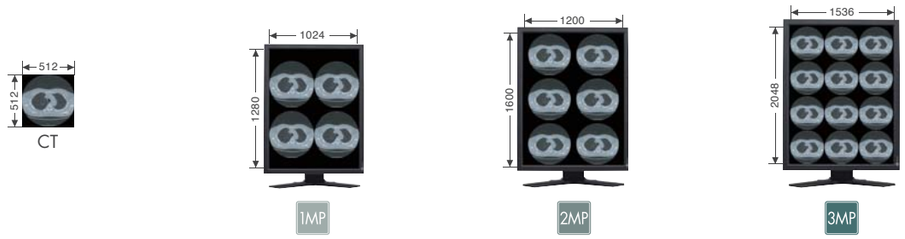
When displaying medical images, it is important that you select monitors offering refined rendering of subtle shadings, unified display between multiple monitors, and rendering consistency over time. The grayscale tones for each RadiForce diagnostic monitors are adjusted at the factory. Furthermore, they are calibration compliant with the DICOM Part 14 to ensure continuing monitor quality control.



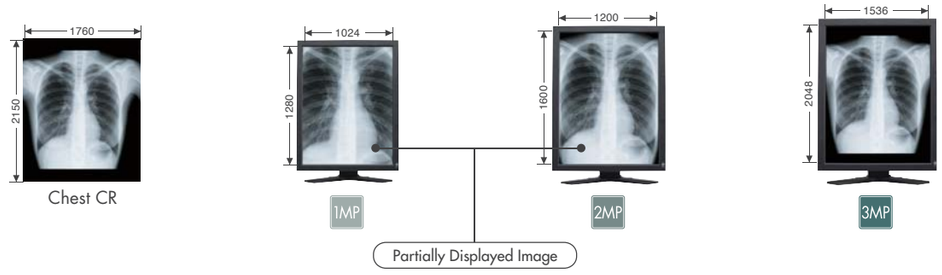
Selecting the Optimum Diagnostic Monitor

Information Volume of Medical Images and Monitors

Information volume of the medical image differs depending on the modality which creates the image. When installing monitors in your hospital, it is important to consider the "information volume" of the medical images that the monitor needs to display. For example, a 1 megapixel monitor can display 4 slices of CT with an information volume of 512 × 512 pixels, a 2 megapixel monitor can display 6 slices, and a 3 megapixel monitor can display 12 slices without losing any of the information.

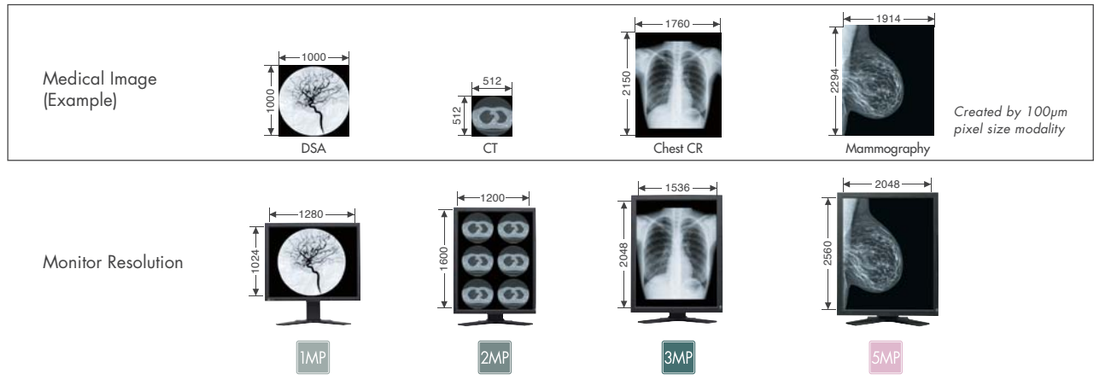


However, a chest CR which has an information volume of 1760 × 2150 pixels can only be displayed partially with a 1 or 2 megapixel monitor. Thus, in order to display the full image, the information must be stretched causing a thinning effect of the image. Using a 3 megapixel monitor, the image can be displayed fully without the information being thinned-out and a resulting loss in image quality.



RadiForce with the Selection of Optimum Diagnostic Monitors

It is important to select the monitor which suits the medical images. With RadiForce diagnostic monitors, you can select the optimum monitor which is suited for the information volume of the medical image you need to display.



Diagnostic Monitors RadiForce® G&R-Series

RadiForce G&R-Series specially designed 1, 2, 3, 4, 5 and 10 megapixel monochrome and color monitors take full account of medical institutions' need for different types of monitors with DICOM Part 14 standard calibration and high-performance capabilities required for confident diagnosis.

Common Features

High-Definition Images

Diagnostic Precision with DICOM Part 14 Factory Adjustment

To ensure the most accurate and consistent shadings possible, EIZO carefully measures and sets every grayscale tones on the production line to produce a monitor compliant with DICOM Part 14.

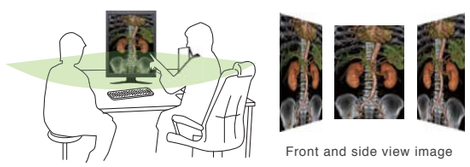
Consistency with DICOM Part 14 Calibration

When the self-diagnosis function, utilized with bundled RadiCS LE quality control software, detects a change in luminance, a warning icon appears on the desktop taskbar enabling prompt correction. Furthermore, the self-calibration function, a simplified calibration compliant with the DICOM Part 14 standard, can periodically be performed to correct the grayscale tones and brightness of the monitor.

RadiCS LE not bundled with GX1030 or SMD 19102.

Wide Viewing Angles for Multiple People Use

Wide Viewing angles with minimal color shift when viewed from the side.

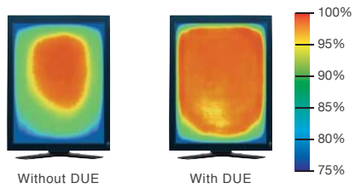


Front and side view image

Brightness Uniformity for a Steadier Image Across the Screen

The Digital Uniformity Equalizer (DUE) function provides optimum backlight luminance uniformity which is difficult to attain due to the characteristics of LCD monitors.

All models except the SMD 19102 and RS110.

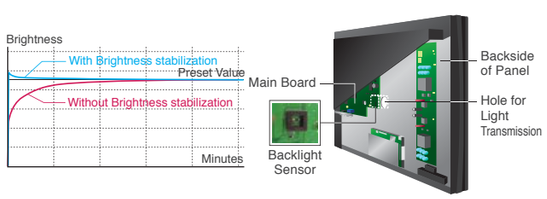


Without DUE

With DUE

Quick Brightness Stabilization for Instant Viewing

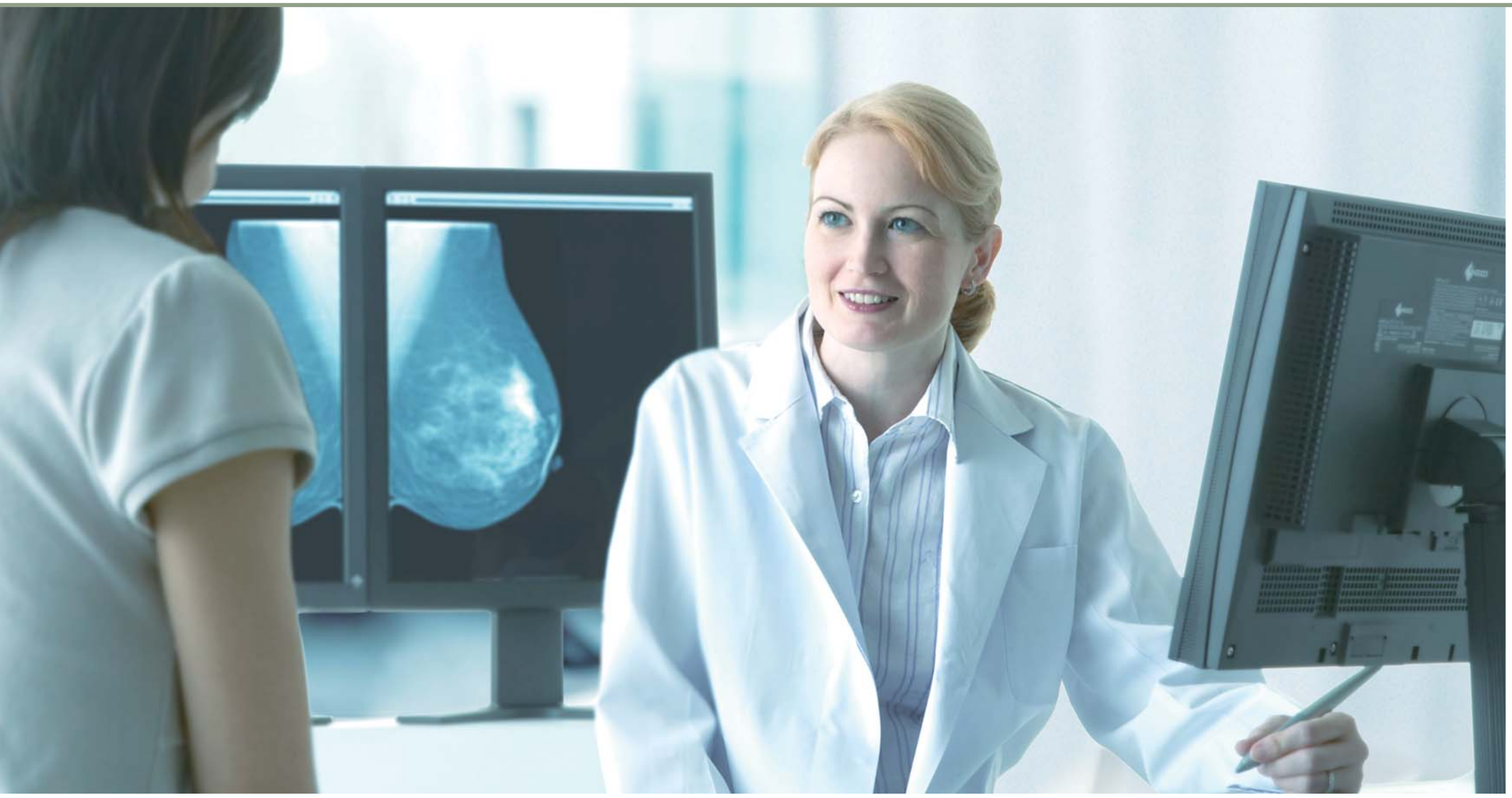
At startup or upon wakeup, the EIZO patented drift correction function quickly stabilizes the brightness level. In addition, a sensor measures the backlight brightness and compensates for brightness fluctuations caused by the ambient temperature and the passage of time.



Ergonomic Features

Ergonomic Design for Improved Operability and Less Fatigue

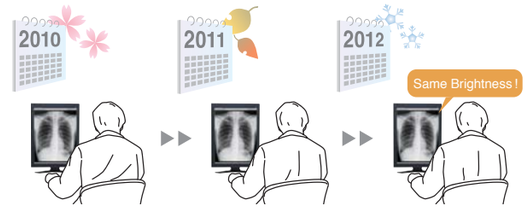
Narrow bezels require less eye movement in a multi-panel environment. The height and pivot adjustable stand offers added flexibility and viewing comfort.



High Quality Assurance

Brightness Stability Within Usage Time Guaranteed

EIZO's confidence in its product quality extends to brightness stability which is also covered during the usage time specified in the warranty for each product.



Customer Assurance with Medical Standards

Meets the strictest medical, safety, and EMC emission standards.

ISO 13485 Certification

Acquiring ISO 13485 certification demonstrates EIZO's ability to consistently meet customer requirements for our products and services.

ISO 13485:2003

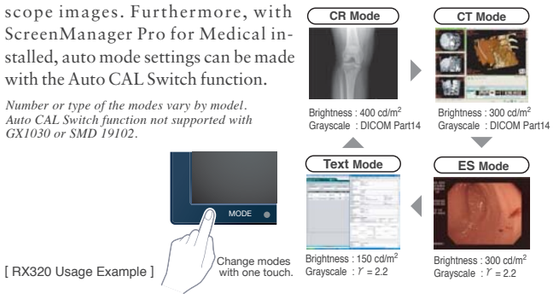
Warranty with Safety and Trust

EIZO and its authorized distributors offer a five-year limited warranty.

Mode Selection for Optimum Viewing

Selectable with the front panel buttons, the CAL Switch function allows for various modes of different modalities such as CR, CT, and endoscope images. Furthermore, with ScreenManager Pro for Medical installed, auto mode settings can be made with the Auto CAL Switch function.

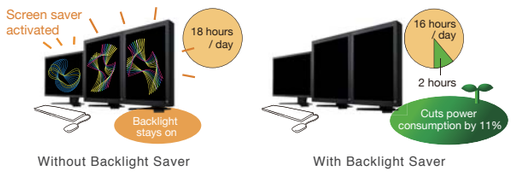
Number or type of the modes vary by model. Auto CAL Switch function not supported with GX1030 or SMD 19102.



Backlight Saver with Screen Saver

With ScreenManager Pro for Medical utility software installed, the Backlight Saver function turns off the monitor's backlight when the screen saver is activated, and turns it on again when the computer comes out of screen saver mode. This function helps to reduce power consumption when the monitor is used for a prolonged period of time.

All models but GX1030 and SMD 19102.



Backlight Saver with Viewer Application

By setting the Backlight Saver function to operate with viewer application, the monitor's backlight is on while the viewer is being used and the backlight is off while the viewer is not being used.

All models but GX1030 and SMD 19102.

With its widescreen format, the RadiForce GX1030 is an optimal replacement for dual head 5 megapixel display installations. With the unobstructed viewing space, applications can offer greater hanging protocol flexibility for richer comparisons between past and present images.

10MP

GX1030

76 cm (30") Monochrome LCD Monitor

GX1030

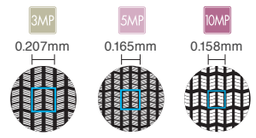
Two Monitors in One

With its 10 megapixel widescreen, the RadiForce GX1030 is an optimal replacement for traditional dual head 5 megapixel monitor installations. It is ideally suited for displaying digital mammography or other large and finely detailed DICOM images.

5MP Monitor x 2　　10MP Monitor x 1

Finest Details with Mono-Pixel Design

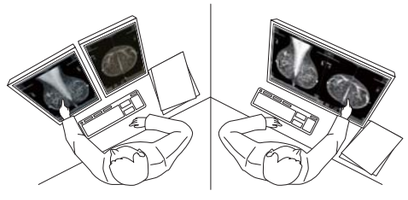
Thanks to its unique Mono-Pixel design and a pixel pitch size of just 0.158 mm, the RadiForce GX1030 offers exceptionally high brightness levels and a wide aperture ratio to bring out the finest details with a smooth, clear representation.



Pixel Size Comparison

Bezel-Less Configuration for Enhanced Operability

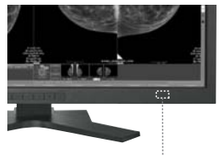
The consistent color point and bezel-less configuration of a single monitor serve to reduce eye fatigue for the radiologist while lowering the administrative and QA costs for the operator. With the unobstructed viewing space, applications can offer greater hanging protocol flexibility for richer comparisons between past and present images.



5MP Monitor x 2　　10MP Monitor x 1

Easy Calibration with Integrated Front Sensor

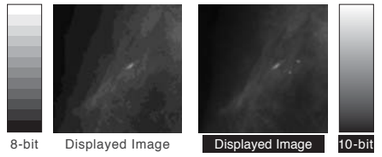
An Integrated Front Sensor housed within the front bezel performs calibration compliant to DICOM Part 14. The sensor does not interfere with the viewing area and is protected from inadvertent damage or removal.



Integrated Front Sensor
Between Bezel and Panel

10-Bit Simultaneous Grayscale Display

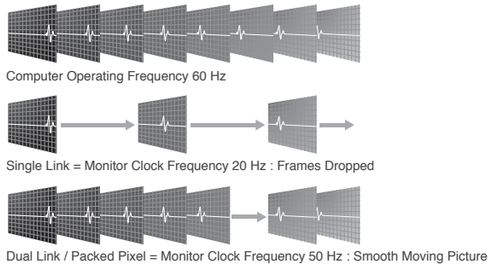
Features 12-bit look-up table that produces a palette of 4,096 grayscale tones from which 8-bit (256 tones) or 10-bit (1,024 tones) can be displayed simultaneously. This feature extends grayscale fidelity to the boundaries of human visual perception abilities and helps radiologists discern the finest nuances within an image.



Smooth Movement with Dual Link

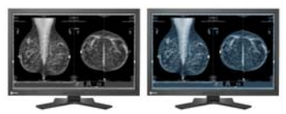
With dual link input support, monitors achieve a clock frequency of 50 Hz even when displaying a 4096 x 2560 resolution. This enables reproduction of smooth moving pictures with minimum dropping of frames.

Graphics board with dual link compatibility required.


Computer Operating Frequency 60 Hz
Single Link = Monitor Clock Frequency 20 Hz : Frames Dropped
Dual Link / Packed Pixel = Monitor Clock Frequency 50 Hz : Smooth Moving Picture

Clear Base and Blue Base Backlights

Available with either a clear base or blue base backlight.



Featuring high definition, a high resolution, and the capability of rendering 15 mega sub-pixels, the RadiForce GS521 is designed specifically for displaying digital mammography images. It comes in a choice of glare panels to meet the needs of its usage environment.

GS521

54 cm (21.3") Monochrome LCD Monitor

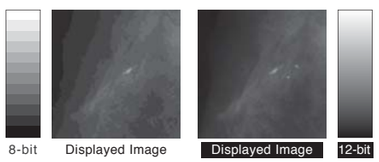
GS521 — 12 bit — GLARE PANEL — /-/ — 15MsP SPD — DUAL LINK — DISPLAY PORT — CL BL —

[GS521-G]

12-Bit Simultaneous Grayscale Display

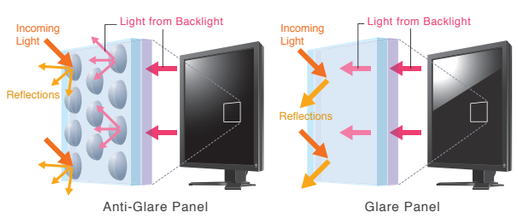
Along with the frame rate control technology, 4,096 (12-bit) grayscale tones can be displayed simultaneously from an abundant palette of 13,771 tones for high-definition digital mammography.

12-bit graphics board and 12-bit viewer software needed for 12-bit display.
Graphics board VREngine SMD5-PCI recommended for 12-bit display.



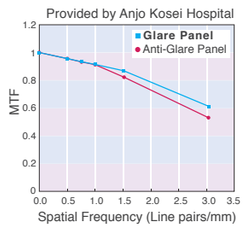
Distinctive Glare Panel

With a distinctive glare panel, there is no diffused reflection by the dimpled surface, and the outline of the image is displayed more clearly.



Sharper Image Outline

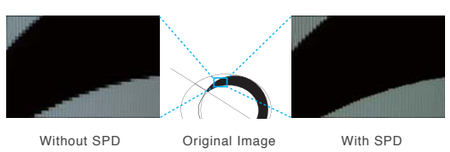
MTF (Modulation Transfer Function) incorporates resolution and contrast data of a monitor's panel into a single specification. The glare panel has better MTF characteristics and displays a sharper image outline.



15 Mega Sub-Pixel Display

The GS521 comes with a Sub-Pixel Drive (SPD) function capable of displaying 2048 × 7680 super high resolution by controlling each sub-pixel separately. With a 15 mega sub-pixels (MsP), sufficient information volume of the original medical image will be displayed, making the monitor suitable for rendering the outline of a detailed digital mammography image more sharply.

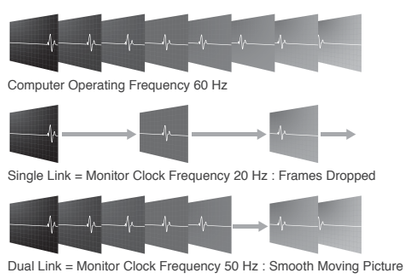
15MsP viewer software needed for 15MsP display.
10-bit simultaneous display supported when displaying 15MsP.



Smooth Movement with Dual Link

With dual link input support, monitors achieve a clock frequency of 50 Hz even when displaying a QSXGA (2048 x 2560) resolution. This enables reproduction of smooth moving pictures with minimum dropping of frames.

Graphics board with dual link compatibility required.

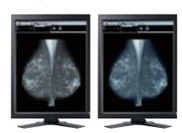

Computer Operating Frequency 60 Hz
Single Link = Monitor Clock Frequency 20 Hz : Frames Dropped
Dual Link = Monitor Clock Frequency 50 Hz : Smooth Moving Picture

Next Generation Connectivity

Next-generation DisplayPort connectivity allows a large volume of information transmitted at once, which means the monitor can more easily adapt to high resolution or multi-grayscale display.

Clear Base and Blue Base Backlights

Available with either a clear base or blue base backlight.



Pairing Monitors

EIZO offers the same color and grayscale for two monitors bundled as a pair in one box.

The RadiForce RX430 is the world's first* monitor to simultaneously display color and monochrome images with their own gamma curves. The high resolution of 4 megapixels gives this monitor the same amount of screen size and number of pixels as two 2 megapixel monitors in portrait mode but without the obtrusive bezels.

** Statement reflects EIZO's internal findings as of September 2010.*

RX430

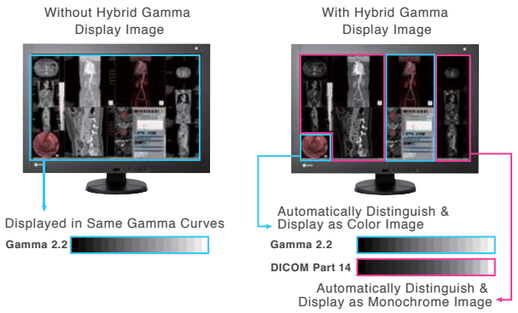
76 cm (29.8") Color LCD Monitor

RX430

Color and Monochrome Images with Separate Gamma Curves

EIZO's unique Hybrid Gamma function distinguishes whether the images being displayed are monochrome or color even within the same application and display each image in optimum brightness and grayscale tones. This expands the usability of PACS applications constantly attaining sufficiency with mix of color and monochrome medical images.

Accuracy in distinguishing between grayscale and color images may depend on how they are aligned. Viewer software compatibility verification is required.

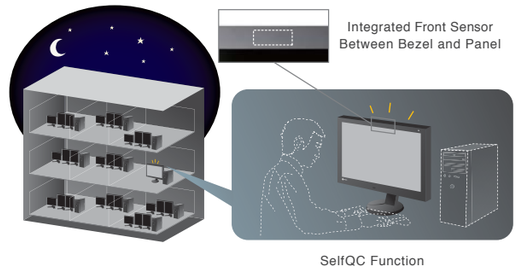

Without Hybrid Gamma Display Image
With Hybrid Gamma Display Image
Displayed in Same Gamma Curves
Gamma 2.2
Automatically Distinguish & Display as Color Image
Gamma 2.2
DICOM Part 14
Automatically Distinguish & Display as Monochrome Image

4 Megapixel Bezel-Less Widescreen

The screen size and native resolution of 4 megapixels give this monitor the same amount of screen size and number of pixels as two 2 megapixel monitors in portrait mode but without the obtrusive bezels. This simplifies comparing images or allows for showing more information within one screen.

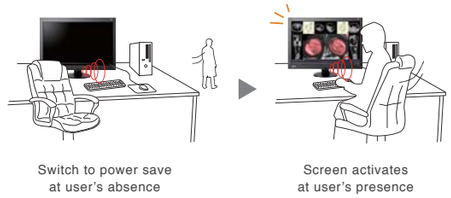
Easy Calibration with Integrated Front Sensor

Integrated Front Sensor, housed within the front bezel, provides independent verification measurement of the grayscale tones and to perform calibration compliant to DICOM Part 14. By installing the bundled RadiCS LE software, the Integrated Front Sensor and RadiCS SelfQC function allows QC tasks to be performed by the monitor itself even when the connected workstation is switched off. This dramatically cuts monitor quality control workload and maintenance costs.



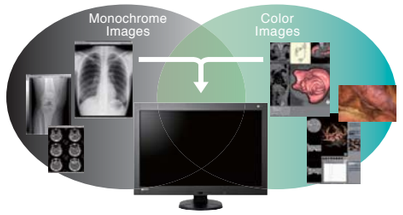
Presence Sensor for Power Savings

The presence sensor feature unites convenience with savings by ensuring that the monitor conserves power when it is not in use. The presence sensor prompts the monitor to switch to power save mode when it detects the user is away from the monitor, and then resume normal operation when the user returns.



Monochrome and Color Images on One Monitor

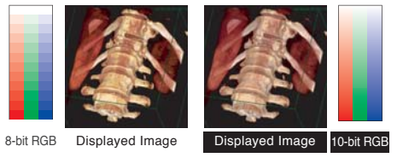
A high-quality IPS panel with a high contrast ratio and high brightness makes this model ideal for displaying 3D rendering and fusion color images as well as CT and MRI monochrome images compliant with the DICOM Part 14 standard.



10-bit Color

With a DisplayPort connection, the monitor can support 10-bit input for each RGB color, displaying more than one billion colors simultaneously. This ensures accurate reproduction of color tones for 3D color rendering and image fusion.

10-bit color graphics board and 10-bit color viewer software needed for 10-bit color display.



Available in Two Configurations

In addition to its versatility for diagnostic use, the monitor can be used for viewing images in operating rooms. To meet the need of different OR environments, this monitor is available in two model configurations: standard with stand without panel protector, free mount (no stand) with panel protector for easy attachment to ceiling suspensions.

On-Screen Button Guide

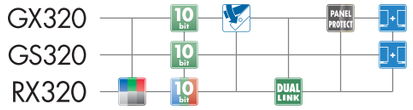
It is difficult to read a monitor's adjustment buttons when working in a dimly lit environment. The monitor includes an on-screen button guide that labels what each of the buttons are for so you can easily navigate the OSD menu.

With high resolution capabilities, these 3 megapixel monitors can fully display chest X-ray images. The 3 megapixel monochrome monitors, featuring high brightness and multi-grayscale display, offer highly refined rendering of extremely delicate CR and DR grayscale shadings. The 3 megapixel color monitor offers high brightness for accurate display of 3D and fusion color images as well as CR and MRI monochrome images.

GX320
54 cm (21.3") Monochrome LCD Monitor

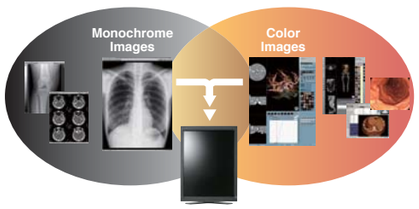
RX320
54 cm (21.2") Color LCD Monitor

GS320
54 cm (21.3") Monochrome LCD Monitor



Monochrome and Color Images on One Monitor

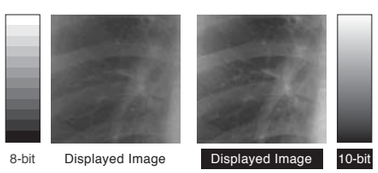
With high brightness of 900 cd/m² and contrast ratio of 1000:1, the RX320 meets the increasing need of hospitals for a monitor that can display both monochrome and color images for diagnostic imaging.



10-Bit Simultaneous Grayscale Display

10-bit (1,024 tones) from a 13-bit look-up table (8,161 tones) can be displayed simultaneously for high-definition medical imaging.

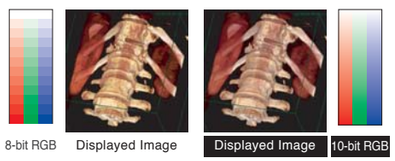
10-bit graphics board and 10-bit viewer software needed for 10-bit display.



10-bit Color

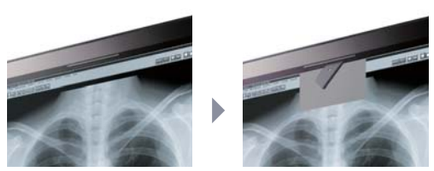
Each RGB color is supported with a 10-bit input compatibility that displays more than 1 billion colors, providing smooth color tones for 3D color rendering and image fusion.

10-bit color graphics board and 10-bit color viewer software needed for 10-bit color display.



Built-In Swing Sensor for Easy Calibration

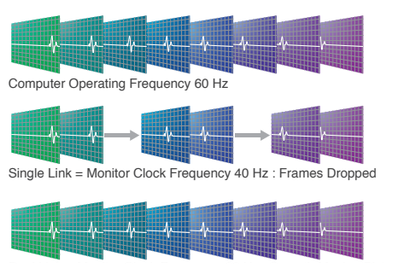
Built-in swing sensor is conveniently enabled and visible only when remote quality control operations such as calibration are being performed.



Smooth Movement with Dual Link

With dual link input support, monitors achieve a clock frequency of 60 Hz even when displaying a QXGA (1536 x 2048) resolution. This enables frame synchronization between the computer and the monitor, which reproduces a smooth moving picture without any dropping of frames.

Graphics board with dual link compatibility required.


Computer Operating Frequency 60 Hz
Single Link = Monitor Clock Frequency 40 Hz : Frames Dropped
Dual Link = Monitor Clock Frequency 60 Hz : Smooth Moving Picture

LCD Panel Protector

Anti-reflective panel protector is pre-attached to the monitor at production for protection against dust and scratches.

Pairing Monitors

EIZO offers the same color and grayscale for two monitors bundled as a pair in one box.

The 2 megapixel monochrome monitor offerings include a high-end model which ensures remote quality control with a built-in swing sensor, and a standard model equipped with features to match your system requirements. The high brightness 2 megapixel color monitor is ideal for displaying both monochrome and color images. The space-efficient 1 megapixel monitors are ideal for referral imaging and review of CT and MRI images in a distributed PACS environment.

2MP GX220
54 cm (21.3") Monochrome LCD Monitor

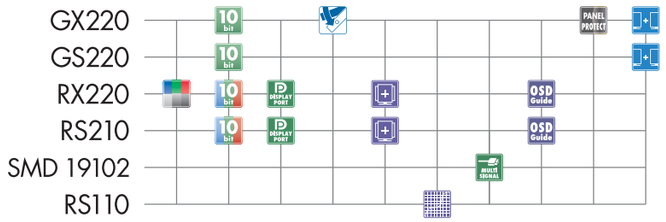
2MP RX220
54 cm (21.3") Color LCD Monitor

2MP GS220
54 cm (21.3") Monochrome LCD Monitor

2MP RS210
54 cm (21.3") Color LCD Monitor

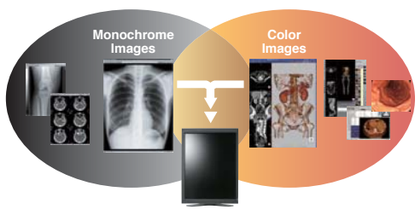
1MP SMD 19102
48 cm (19") Monochrome LCD Monitor

1MP RS110
48 cm (19") Color LCD Monitor



Monochrome and Color Images on One Monitor

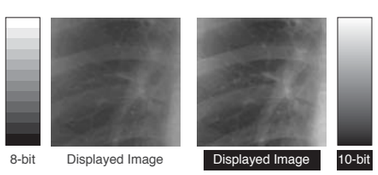
With high brightness of 900 cd/m² and contrast ratio of 1000:1, the RX220 meets the increasing need of hospitals for a monitor that can display both monochrome and color images for diagnostic imaging.



10-Bit Simultaneous Grayscale Display

10-bit (1,024 tones) from a 13-bit look-up table (8,161 tones) can be displayed simultaneously for high-definition medical imaging.

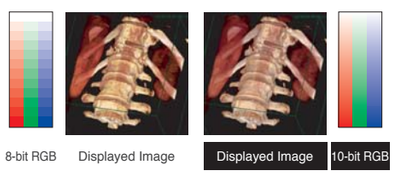
10-bit graphics board and 10-bit viewer software needed for 10-bit display.



10-bit Color

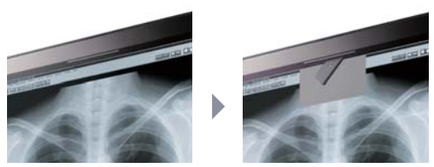
With a DisplayPort connection, the monitor can support 10-bit input for each RGB color, displaying more than one billion colors simultaneously. This ensures accurate reproduction of color tones for 3D color rendering and image fusion.

10-bit color graphics board and 10-bit color viewer software needed for 10-bit color display.



Built-In Swing Sensor for Easy Calibration

Built-in swing sensor is conveniently enabled and visible only when remote quality control operations such as calibration are being performed.



Automatic Image Rotation

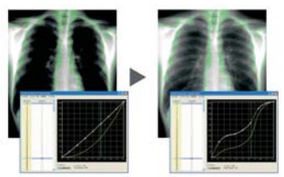
With ScreenManager Pro for Medical installed, the Image Rotation Plus function communicates with the monitor's built-in gravity sensor to switch automatically between portrait and landscape mode when the panel is rotated. This enables you to work continuously and not have to readjust your monitor's settings.

Graphics board with Image Rotation Plus compatibility required.

ToneCurve Tuning Utility

ToneCurve Tuning Utility uses the monitor's 10-bit look-up tables (LUT) for adjustment of grayscale and color tones to the desired values.

Input values into the table or manipulate control points on the graph (number of control points are user selectable — 3, 5, 9, 16, 24, 33, or 256).



Wide Range of Input Support

Multiple input signal support, including DVI-I, BNC, D-Sub mini 15 pin, and S-Video, allows for connecting with any legacy or state-of-the-art modality system.

SMD 19102 Input / Output Terminals

On-Screen Button Guide

It is difficult to read a monitor's adjustment buttons when working in a dimly lit environment. The monitor includes an on-screen button guide that labels what each of the buttons are for so you can easily navigate the OSD menu.

LCD Panel Protector

Anti-reflective panel protector is pre-attached to the monitor at production for protection against dust and scratches.

Pairing Monitors

EIZO offers the same color and grayscale for two monitors bundled as a pair in one box.

Monitor Quality Control Solutions

Managing the quality of monitors used every day leads to the improvement of the quality of medical care itself.

With filmless imaging spreading in the medical world, there is a growing interest in maintaining the quality of monitors displaying medical images. With the know-how and experience as a specialist in monitor manufacturing, we offer state-of-the-art solutions for the quality control of monitors which will lead to the improvement of the quality of medical care itself.

Client

Quality Control Software
RadiCS®

- User-Friendly Interface
- Acceptance and Constancy Testing in Easy Steps
- DICOM Part 14 Calibration
- Historical Management and Report Generator
- Asset Management
- Intelligent Self-Diagnosis and Self-Calibration

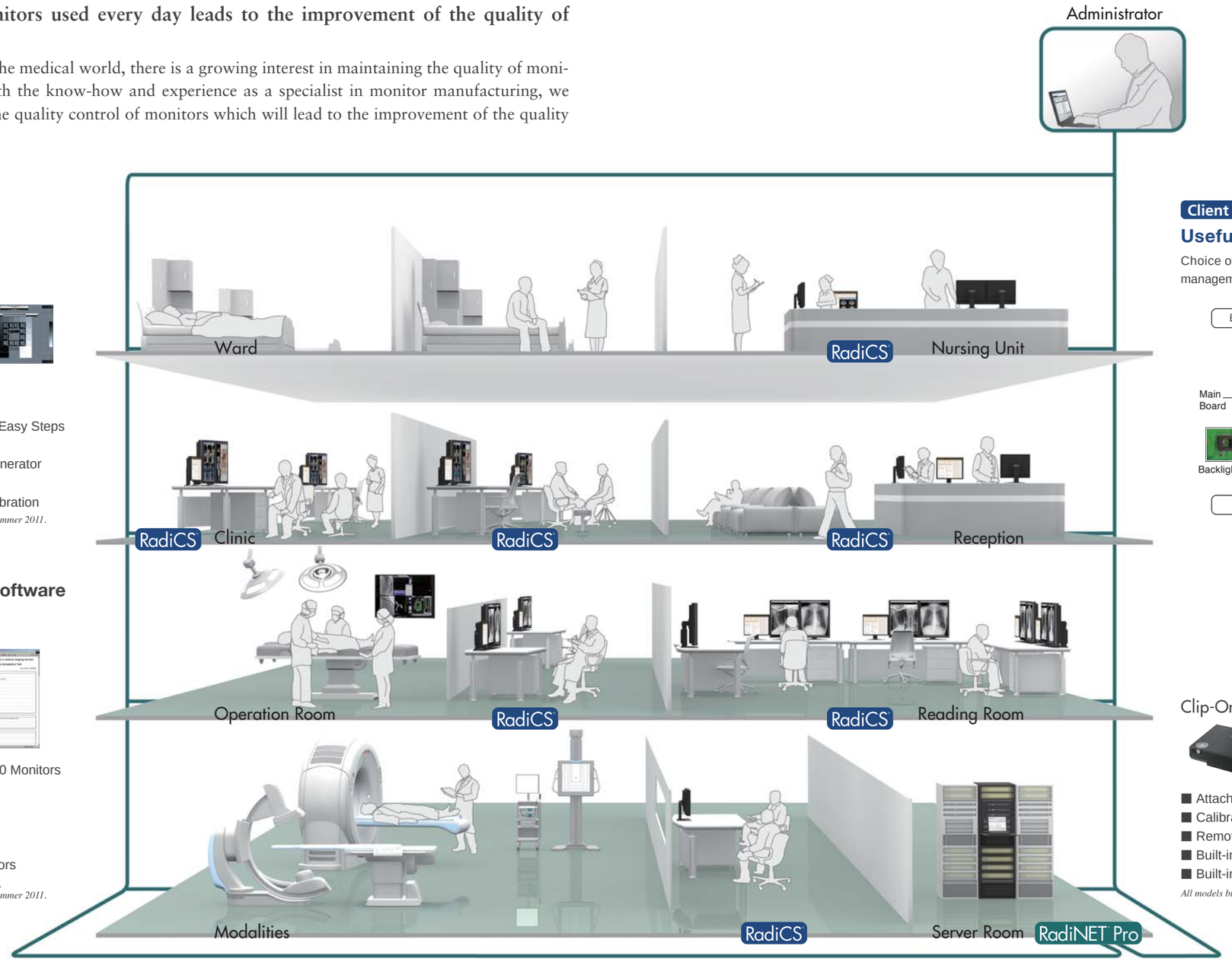
GX1030 will be supported in the version to be released in summer 2011.

Administrator

Network QC Management Software
RadiNET® Pro

- Centralized Management of up to 8,000 Monitors
- Easy-to-Use Web-Based Application
- To-Do List and Alert Mail
- Save Time with Remote Calibration
- Collective Report Generator
- Compatible with Non-RadiForce Monitors

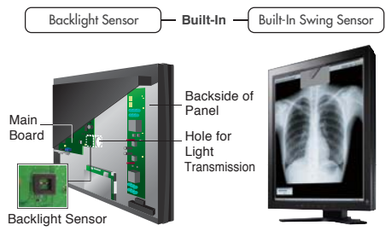
RadiNET Pro Starter Edition can manage up to 20 monitors.
GX1030 will be supported in the version to be released in summer 2011.



Client

Useful tools:

Choice of sensors to lighten the workload of quality control management.



Clip-On Swing Sensor G2

- Attachable to the monitor bezel with a USB connector
- Calibration to the DICOM Part 14 standard
- Remote calibration with RadiNET Pro
- Built-in presence sensor for smart QC tasks
- Built-in presence sensor for power savings

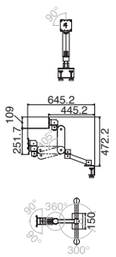
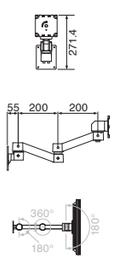
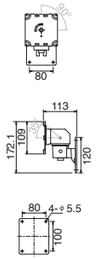
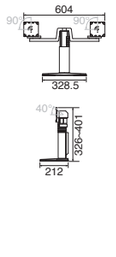
All models but GX1030 and SMD 19102.

Graphics Board Compatibility

	PCI-Express x16	PCI-Express x16	PCI-Express x16	PCI-Express x16	PCI-Express x16	PCI-Express x16	PCI-Express x16 / x1	PCI
	Xenia Pro	Xenia	MED-V5800	MED-V4800	MED-V3800	MED-Q5120	FireMV 2250	RAD LPX-PCI
Chassis	Standard	Standard	Standard	Standard	Standard & Low-Profile	Standard & Low-Profile	Standard & Low-Profile	Standard & Low-Profile
Compatible OS	Windows 7 / Vista / XP	Windows 7 / Vista / XP	Windows 7 / Vista / XP	Windows 7 / Vista / XP	Windows 7 / Vista / XP	Windows Vista / XP	Windows XP	Windows 7 / Vista / XP
Output Terminal	DVI-I x 3	DVI-I x 3	DVI-I x 1, DisplayPort x 2	DVI-I x 1, DisplayPort x 2	DVI-I x 1, DisplayPort x 1	DVI-I x 4	DVI-I x 2	DVI-I x 2
Frame Buffer Memory	1 GB	512 MB	1 GB	1 GB	512 MB	512 MB	256 MB	256 MB
Power Consumption	36.3 W	34.3 W	74 W	69 W	43 W	35 W	x16: 23 W / x1: 21 W	10.5 W
Dimensions (W x H)	167.64 x 111.15 mm	167.64 x 111.15 mm	228.6 x 111.15 mm	167.6 x 111.1 mm	167.64 x 69.85 mm	167.64 x 64.41 mm	167.64 x 64.41 mm	167.6 x 64.5 mm
Monochrome Monitor								
10MP GX1030	10bit 8bit		10bit 8bit	10bit 8bit	10bit 8bit	8bit	8bit	
5MP GS521	10bit 8bit		10bit 8bit	10bit 8bit	10bit 8bit	8bit	8bit	
3MP GX320	10bit 8bit	10bit 8bit	10bit 8bit	10bit 8bit	10bit 8bit	8bit	8bit	8bit
3MP GS320	10bit 8bit	10bit 8bit	10bit 8bit	10bit 8bit	10bit 8bit	8bit	8bit	8bit
2MP GX220	10bit 8bit	10bit 8bit	10bit 8bit	10bit 8bit	10bit 8bit	8bit	8bit	8bit
2MP GS220	10bit 8bit	10bit 8bit	10bit 8bit	10bit 8bit	10bit 8bit	8bit	8bit	8bit
1MP SMD 19102	8bit	8bit	8bit	8bit	8bit	8bit	8bit	8bit
Color Monitor								
4MP RX430	10bit 8bit		10bit 8bit	10bit 8bit	10bit 8bit	8bit	8bit	
3MP RX320	10bit 8bit	10bit 8bit	10bit 8bit	10bit 8bit	10bit 8bit	8bit	8bit	8bit
2MP RX220	8bit	8bit	10bit 8bit	10bit 8bit	10bit 8bit	8bit	8bit	8bit
2MP RS210	8bit	8bit	10bit 8bit	10bit 8bit	10bit 8bit	8bit	8bit	8bit
1MP RS110	8bit	8bit	8bit	8bit	8bit	8bit	8bit	8bit

10bit 8bit 10bit Recommended 10bit 8bit Compatible *Graphics board compatibility is subject to change without notice. Please check the website for updates.*

Accessory Compatibility

	Flexible Arm	Wall Mount Arm		Dual Height Adjustable Stand	Panel Protector	Monitor Cleaning Kit
	LA-131-D	LA-030-W	LA-011-W	LS-HM1-D*		ScreenCleaner
Available Colors	Black, Gray	Black, Gray	Black	Black, Gray	Surface Treatment: Anti-Glare Type	
Mounting Desk / Wall Requirements	Thickness: 25 - 60 mm Depth: 50 mm min. Weight: 60 kg min.	130 kg min.	130 kg min.	Height Adjustment Range: 75 mm, 6 stages (0 / 15 / 30 / 45 / 60 / 75 mm) Horizontal Slide Range: 80 mm max.	Light Transmission: More than 99% (RP-902, RP-901: More than 95%)	
Load Capacity	4 - 9 kg	4 - 9 kg	4 - 9 kg	3.5 - 9 kg		
Weight	4.8 kg	2.8 kg	1.4 kg	6.8 kg		
Hole Spacing	100 x 100 mm	100 x 100 mm	100 x 100 mm	100 x 100 mm		
Monochrome Monitor						
10MP GX1030	—	—	—	—	—	
5MP GS521	○	○	○	○	RP-901	
3MP GX320	○	○	○	○	Built-In Panel Protector	
3MP GS320	○	○	○	○	RP-903	
2MP GX220	○	○	○	○	Built-In Panel Protector	
2MP GS220	○	○	○	○	RP-903	
1MP SMD 19102	○	○	○	○	—	
Color Monitor						
4MP RX430	—	—	—	—	— (RX430-FC: Built-In Panel Protector)	
3MP RX320	○	○	○	○	RP-902	
2MP RX220	○	○	○	○	RP-902	
2MP RS210	○	○	○	○	RP-902	
1MP RS110	○	○	○	○	RP-701	
Dimensions (Unit: mm)						

* *To be used with same model only. Portrait use only for GX320, GS320, GX220, GS220, RX320 and RX220.*

Specifications

10MP GX1030

76 cm (30") Monochrome LCD Monitor

5MP GS521

54 cm (21.3") Monochrome LCD Monitor

3MP GX320

54 cm (21.3") Monochrome LCD Monitor

3MP GS320

54 cm (21.3") Monochrome LCD Monitor

2MP GX220

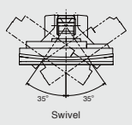
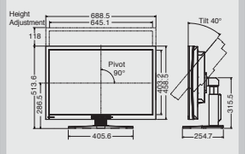
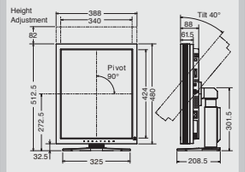
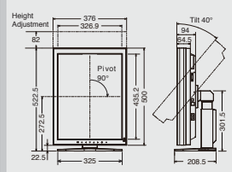
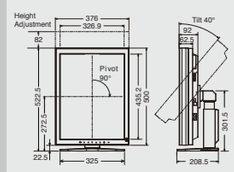
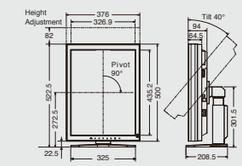
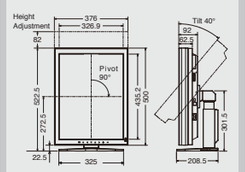
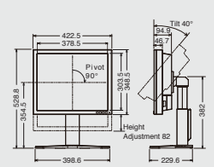
54 cm (21.3") Monochrome LCD Monitor

2MP GS220

54 cm (21.3") Monochrome LCD Monitor

1MP SMD 19102

48 cm (19") Monochrome LCD Monitor

Model Variations	GX1030-CL: Clear Base GX1030-BL: Blue Base	GS521-CLG: Clear Base with Glare Panel GS521-CL: Clear Base GS521-BL: Blue Base	—	—	—	—	SMD 19102 D: With Stand SMD 19102 C: Without Stand SMD 19102 CP: Without Stand, with Panel Protector
Cabinet Color	Black	Black	Black	Black	Black	Black	Anthracite Gray
Panel	TFT Monochrome LCD Panel (IPS)	TFT Monochrome LCD Panel (IPS)	TFT Monochrome LCD Panel (IPS)	TFT Monochrome LCD Panel (IPS)	TFT Monochrome LCD Panel (IPS)	TFT Monochrome LCD Panel (IPS)	TFT Monochrome LCD Panel (IPS)
Active Display Size (H x V)	645.1 x 403.2 mm	337.9 x 422.4 mm	324.8 x 433.1 mm	324.8 x 433.1 mm	324.0 x 432.0 mm	324.0 x 432.0 mm	376.0 x 301.0 mm
Viewable Image Size	763 mm diagonal	540 mm diagonal	541 mm diagonal	541 mm diagonal	541 mm diagonal	541 mm diagonal	481 mm diagonal
Native Resolution	4096 x 2560	2048 x 2560, SPD On : 2048 x 7680	1536 x 2048	1536 x 2048	1200 x 1600	1200 x 1600	1280 × 1024
Pixel Pitch	0.158 x 0.158 mm	0.165 x 0.165 mm	0.2115 x 0.2115 mm	0.2115 x 0.2115 mm	0.270 x 0.270 mm	0.270 x 0.270 mm	0.294 × 0.294 mm
Grayscale Tones	1,024 from a palette of 4,096 tones	12-bit (SPD Off only): 4,096 from a palette of 13,771 tones 10-bit: 1,024 from a palette of 3,571 tones	1,024 from a palette of 8,161 tones	1,024 from a palette of 8,161 tones	1,024 from a palette of 8,161 tones	1,024 from a palette of 8,161 tones	256 tones
Viewing Angles (H, V)	170°, 170°	170°, 170°	170°, 170°	170°, 170°	170°, 170°	170°, 170°	170°, 170°
Brightness (typical)	1,250 cd/m²	700 cd/m²	1,000 cd/m²	1,000 cd/m²	1,000 cd/m²	1,000 cd/m²	1,000 cd/m²
Recommended Brightness for Calibration	500 cd/m²	500 cd/m²	450 cd/m²	450 cd/m²	500 cd/m²	500 cd/m²	400 cd/m²
Contrast Ratio (typical)	850 : 1	800 : 1	850 : 1	850 : 1	850 : 1	850 : 1	900:1
Response Time (typical)	35 ms (On/Off)	50 ms (On/Off)	23 ms (On/Off)	23 ms (On/Off)	23 ms (On/Off)	23 ms (On/Off)	25 ms (On/Off)
Scanning Frequency (H, V)	31 - 135 kHz, 19 - 51 Hz Frame synchronous mode: 24.5 - 25.5 Hz, 49 - 51 Hz	31 - 135 kHz, 19 - 51 Hz Frame synchronous mode: 24.5 - 25.5 Hz, 49 - 51 Hz	31 - 100 kHz, 29.5 - 71.5 Hz (VGA Text: 69 - 71 Hz) Frame synchronous mode: 59 - 61 Hz	31 - 100 kHz, 29.5 - 71.5 Hz (VGA Text: 69 - 71 Hz) Frame synchronous mode: 59 - 61 Hz	31 - 100 kHz, 48 - 71.5 Hz (VGA Text: 69 - 71 Hz) Frame synchronous mode: 59 - 61 Hz	31 - 100 kHz, 48 - 71.5 Hz (VGA Text: 69 - 71 Hz) Frame synchronous mode: 59 - 61 Hz	Digital: 31 - 100 kHz, 48 - 85 Hz Analog: 30 - 100 kHz, 50 -100 Hz
Dot Clock	290 MHz	290 MHz	165 MHz	165 MHz	165 MHz	165 MHz	Digital: 135 MHz, Analog: 135 MHz
Input Terminals	DVI-D x 2 (dedicated 5MP connections for each side)	DVI-D x 1, DisplayPort x 1	DVI-D x 1	DVI-D x 1	DVI-D x 1	DVI-D x 1	DVI-I x 1, D-Sub mini 15 pin x 1, BNC x 4, S-Video x 1
Sync Formats	—	—	—	—	—	—	Separate, Composite, Sync-on-Green
USB Ports	1 upstream, 2 downstream	1 upstream, 2 downstream	1 upstream, 2 downstream	1 upstream, 2 downstream	1 upstream, 2 downstream	1 upstream, 2 downstream	—
USB Standard	Rev. 2.0	Rev. 2.0	Rev. 2.0	Rev. 2.0	Rev. 2.0	Rev. 2.0	—
Power Requirements	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V : 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V : 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V : 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V : 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V : 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz
Power Consumption / Save Mode	140 W / Less than 2 W	100 W / Less than 1 W	115 W / Less than 3 W	115 W / Less than 3 W	100 W / Less than 3 W	100 W / Less than 3 W	58 W / Less than 8 W
Sensor	Backlight Sensor, Integrated Front Sensor	Backlight Sensor	Built-In Swing Sensor, Backlight Sensor	Backlight Sensor	Built-In Swing Sensor, Backlight Sensor	Backlight Sensor	Backlight Sensor
Power Management	DVI DMPM	DVI DMPM, DisplayPort 1.1a	DVI DMPM	DVI DMPM	DVI DMPM	DVI DMPM	Digital: DVI DMPM, Analog: VESA DPM
OSD Languages	English	English, French, German, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, French, German, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, French, German, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, French, German, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, French, German, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, German
Net Weight (With Stand / Without Stand)	15.3 kg / 11.8 kg	10.1 kg / 7.1 kg	10.8 kg / 7.8 kg	9.9 kg / 6.9 kg	10.8 kg / 7.8 kg	9.9 kg / 6.9 kg	10.7 kg / 6.4 kg, with Panel Protector 7 kg
Hole Spacing	VESA standard 200 x 100 mm and 100 x 100 mm	VESA standard 100 x 100 mm	VESA standard 100 x 100 mm	VESA standard 100 x 100 mm	VESA standard 100 x 100 mm	VESA standard 100 x 100 mm	VESA standard 100 x 100 mm
Certifications and Standards*	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, FDA 510(k) for Mammography and General Radiography pending, RoHS	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, FDA 510(k) for Mammography and General Radiography, RoHS, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, FDA 510(k), RoHS	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, FDA 510(k), RoHS, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, FDA 510(k), RoHS	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, FDA 510(k), RoHS, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, FCC-A, RoHS, CCC, GOST-R
Supplied Accessories	AC power cord, dual link signal cable (DVI-D ~ DVI-D) x 2, USB cable, Utility Disk (user's manual), warranty card	AC power cord, dual link signal cable (DVI-D ~ DVI-D), signal cable (DisplayPort ~ Display Port), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical), Screen Cleaner (GS521-CLG only), user's manual	AC power cord, signal cable (DVI-D ~ DVI-D), USB cable, Utility Disk (RadiCS LE, Screen Manager Pro for Medical), ScreenCleaner, user's manual, warranty card	AC power cord, signal cable (DVI-D ~ DVI-D), USB cable, Utility Disk (RadiCS LE, Screen Manager Pro for Medical), user's manual, warranty card	AC power cord, signal cable (DVI-D ~ DVI-D), USB cable, Utility Disk (RadiCS LE, Screen Manager Pro for Medical), ScreenCleaner, user's manual, warranty card	AC power cord, signal cable (DVI-D ~ DVI-D), USB cable, Utility Disk (RadiCS LE, Screen Manager Manager Pro for Medical), user's manual, warranty card	AC power cord, signal cable (DVI-D ~ DVI-D), Utility Disk (user's manual)
Warranty	Five Years	Five Years	Five Years	Five Years	Five Years	Five Years	Five Years
Dimensions (Unit: mm) All models :								

**Please contact the EIZO subsidiary or distributor in your country for the latest information.*

Specifications

4MP RX430

76 cm (29.8") Color LCD Monitor

3MP RX320

54 cm (21.2") Color LCD Monitor

2MP RX220

54 cm (21.3") Color LCD Monitor

2MP RS210

54 cm (21.3") Color LCD Monitor

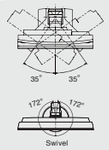
1MP RS110

48 cm (19") Color LCD Monitor

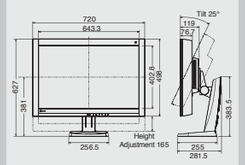
	RX430	RX320	RX220	RS210	RS110
Model Variations	RX430: With Stand, Without Panel Protector RX430-FC: Without Stand, With Panel Protector	—	—	—	—
Cabinet Color	Black	Black	Black	Black	Black
Panel	TFT Color LCD Panel (IPS)	TFT Color LCD Panel (IPS)	TFT Color LCD Panel (IPS)	TFT Color LCD Panel (IPS)	TFT Color LCD Panel (IPS)
Active Display Size (H x V)	641.2 x 400.8 mm	323.7 x 431.6 mm	324.0 x 432.0 mm	432.0 x 324.0 mm	376.3 x 301.0 mm
Viewable Image Size	756 mm diagonal	540 mm diagonal	540 mm diagonal	540 mm diagonal	481 mm diagonal
Native Resolution	2560 x 1600	1536 x 2048	1200 x 1600	1600 x 1200	1280 x 1024
Pixel Pitch	0.2505 x 0.2505 mm	0.21075 x 0.21075 mm	0.270 x 0.270 mm	0.270 x 0.270 mm	0.294 x 0.294 mm
Display Colors	10-bit colors: 1.07 billion (maximum) colors 8-bit colors: 16.77 million from a palette of 68 billion colors	10-bit colors: 1.07 billion (maximum) colors 8-bit colors: 16.77 million from a palette of 68 billion colors	10-bit colors (DisplayPort): 1.07 billion (maximum) colors 8-bit colors: 16.77 million from a palette of 68 billion colors	10-bit colors (DisplayPort): 1.07 billion (maximum) colors 8-bit colors: 16.77 million from a palette of 68 billion colors	16.77 million from a palette of 1.06 billion colors
Viewing Angles (H, V)	170°, 170°	170°, 170°	170°, 170°	170°, 170°	176°, 176°
Brightness (typical)	1,000 cd/m²	900 cd/m²	900 cd/m²	300 cd/m²	290 cd/m²
Recommended Brightness for Calibration	400 cd/m²	400 cd/m²	400 cd/m²	150 cd/m²	170 cd/m²
Contrast Ratio (typical)	1100 : 1	1000 : 1	1000 : 1	1000 : 1	800 : 1
Response Time (typical)	20 ms (On/Off)	20 ms (On/Off)	17 ms (On/Off)	25 ms (On/Off)	20 ms (On/Off)
Scanning Frequency (H, V)	31 - 100 kHz, 29.5 - 61 Hz (VGA Text: 69 - 71 Hz) Frame synchronous mode: 59 - 61 Hz, 29.5 - 30.5 Hz	31 - 127 kHz, 29 - 61 Hz (VGA Text : 69 - 71 Hz) Frame synchronous mode : 59 - 61 Hz	Digital: 31 - 100 kHz, 59 - 61 Hz (VGA Text: 69 - 71 Hz) Analog: 31 - 100 kHz, 49 - 86 Hz (1600 x 1200 : 49 - 61 Hz) Frame synchronous mode : 59 - 61 Hz	Digital: 31 - 100 kHz, 59 - 61 Hz (VGA Text: 69 - 71 Hz) Analog: 31 - 100 kHz, 49 - 86 Hz (1600 x 1200 : 49 - 61 Hz) Frame synchronous mode : 59 - 61 Hz	Digital: 30 - 65 kHz, 59 - 61 Hz (VGA Text: 69 - 71 Hz) Analog: 30 - 82 kHz, 49 - 86 Hz (1280 x 1024 : 49 - 76 Hz) Frame synchronous mode: 57.5 - 62 Hz
Dot Clock	269 MHz	215 MHz	Digital: 164.5 MHz, Analog : 170 MHz	Digital: 164.5 MHz, Analog : 170 MHz	Digital: 108 MHz, Analog: 135 MHz
Input Terminals	DVI-D (dual link) x 1, DisplayPort x 1	DVI-D x 1	DVI-I x 2, DisplayPort x 1	DVI-I x 2, DisplayPort x 1	DVI-I x 1, D-Sub mini 15 pin x 1
Sync Formats	—	—	Separate, Composite	Separate, Composite, Sync-on-Green	Separate, Composite, Sync-on-Green
USB Ports	1 upstream, 2 downstream	1 upstream, 2 downstream	1 upstream, 2 downstream	1 upstream, 2 downstream	1 upstream, 2 downstream
USB Standard	Rev. 2.0	Rev. 2.0	Rev. 2.0	Rev. 2.0	Rev. 2.0
Power Requirements	AC 100 - 120 V, 200 - 240 V : 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V : 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V : 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V : 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V : 50 / 60 Hz
Power Consumption / Save Mode	200 W / Less than 1 W	110 W / Less than 2.5 W	115 W / Less than 0.9 W	64 W / Less than 0.8 W	55 W / Less than 1.3 W
Sensor	Backlight Sensor, Integrated Front Sensor, Presence Sensor, Ambient Light Sensor	Backlight Sensor	Backlight Sensor	Backlight Sensor	Backlight Sensor
Power Management	DVI DMPM, DisplayPort 1.1a	DVI DMPM	Digital: DVI DMPM, DisplayPort 1.1a, Analog : VESA DPM	Digital: DVI DMPM, DisplayPort 1.1a, Analog : VESA DPM	Digital: DVI DMPM, Analog : VESA DPM
OSD Languages	English, French, German, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, French, German, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, French, German, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, French, German, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, French, German, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese
Net Weight (With Stand / Without Stand)	RX430: 19.2 kg / 15.2 kg, RX430-FC: - / 16 kg	10.4 kg / 7.4 kg	10.4 kg / 7.4 kg	10.3 kg / 7.1 kg	7.2 kg / 5.3 kg
Hole Spacing	VESA standard 200 x 100 mm and 100 x 100 mm	VESA standard 100 x 100 mm	VESA standard 100 x 100 mm	VESA standard 100 x 100 mm	VESA standard 100 x 100 mm
Certifications and Standards*	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, FDA 510(k) pending, RoHS, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, FDA 510(k), RoHS, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, FDA 510(k), RoHS, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, FDA 510(k), RoHS, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, FDA 510(k), RoHS, CCC, GOST-R
Supplied Accessories	AC power cord, dual link signal cable (DVI-D ~ DVI-D), signal cable (DisplayPort ~ Display Port), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical), Screen Cleaner (RX430-FC only), user's manual	AC power cord, dual link signal cable (DVI-D ~ DVI-D), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical), user's manual, warranty card	AC power cord, signal cables (DVI-D ~ DVI-D, DisplayPort ~ DisplayPort), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical), user's manual	AC power cord, signal cables (DVI-D ~ DVI-D, DisplayPort ~ DisplayPort), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical), user's manual, warranty card	AC power cord, signal cables (DVI-D ~ DVI-D), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical), ToneCurve Tuning Utility, user's manual, warranty card
Warranty	Five Years	Five Years	Five Years	Five Years	Five Years

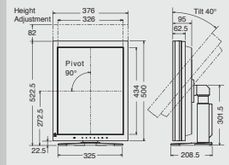
Dimensions (Unit: mm)

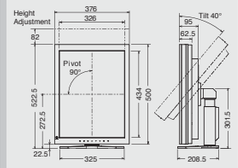
All models :

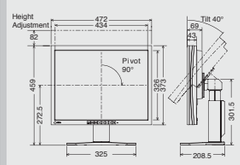


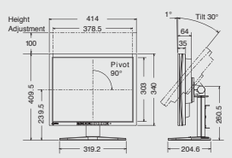
RX430 :











Please contact the EIZO subsidiary or distributor in your country for the latest information.

Environmental Awareness

Manufacturing Environmentally-Friendly Products

Based on our awareness that our products have an impact on the environment and our pledge to consider respect for the environment as an integral part of product quality, we have continued to lead the industry in our efforts to reduce the environmental impact of our products. In product development, we vigorously work to ensure that our products comply with domestic and international legal requirements and environmental standards of third-party organizations.

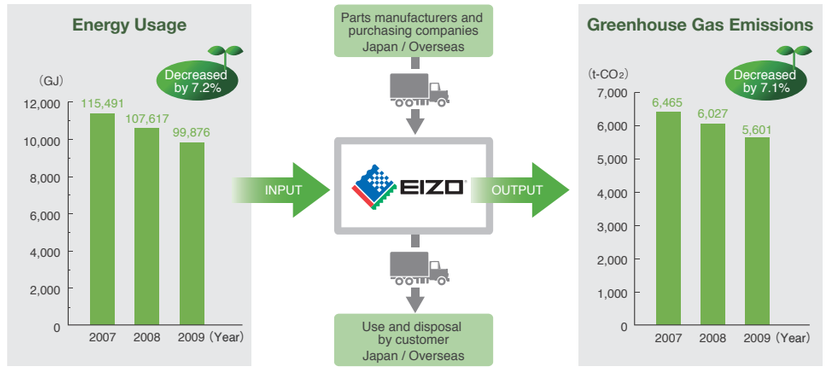
RoHS Directive ····· The RoHS Directive is a European regulation restricting the use of hazardous substances that has been enforced within the European Union since July 2006. The directive covers electrical and electronic equipment and restricts or bans the use of six substances that are harmful to the global environment or human health: lead, mercury, cadmium, hexavalent chromium, PBB and PBDE. Products that do not comply with the RoHS Directive cannot be sold in Europe.

Harmonizing with Environment and Society

We are conscious of the importance of environmental preservation as a common issue for all humankind and pledge to do our utmost to protect the environment in all aspects of our corporate operations. We obtained ISO 14001 certification, and all our employees are committed to the effective use of natural resources and energy, and also to reducing CO_2 emissions causing global warming.

Headquarters, factory, and R&D building in Ishikawa Prefecture, Japan.

Environmental Impact of Business Activities



For details, please check Corporate Social Responsibility Report on EIZO website www.eizo.com.

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